

WEST Search History

[Hide Items](#)
[Restore](#)
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DATE: Saturday, March 18, 2006

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<input type="checkbox"/>	L46	"biofilm" and "sonic wave"	5
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<input type="checkbox"/>	L37	6210681.pn.	2
<input type="checkbox"/>	L36	6335023.pn.	2
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<input type="checkbox"/>	L34	L33 and "glucosidase"	9
<input type="checkbox"/>	L33	L32 and "biofilm"	32
<input type="checkbox"/>	L32	L31 and "nail"	32
<input type="checkbox"/>	L31	L29 and "peroxide"	66
<input type="checkbox"/>	L30	L29 and "treating skin"	6
<input type="checkbox"/>	L29	L28 and "skin"	117
<input type="checkbox"/>	L28	"acne" and "biofilm"	153
<input type="checkbox"/>	L27	L26 and "nail"	1
<input type="checkbox"/>	L26	L25 and "peroxide benzoyl"	9
<input type="checkbox"/>	L25	L24 and "skin"	191
<input type="checkbox"/>	L24	"peroxide radicals"	1418
<input type="checkbox"/>	L23	"dermatophytoma"	4
<input type="checkbox"/>	L22	L21 and "dermatophytoma"	0
<input type="checkbox"/>	L21	L20 and "fungal infection"	7
<input type="checkbox"/>	L20	L19 and "antimicrobial"	97
<input type="checkbox"/>	L19	L18 and "nail"	167
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<input type="checkbox"/>	L11	"disrupting biofilm"	31
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<input type="checkbox"/>	L9	"biofilm" and "electrical field"	41
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END OF SEARCH HISTORY

WEST Search History

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END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

End of Result Set



Generate Collection

Print

L10: Entry 12 of 12

File: USPT

Jan 6, 1998

DOCUMENT-IDENTIFIER: US 5705050 A

**** See image for Certificate of Correction ****

TITLE: Electrolytic process and apparatus for the controlled oxidation and reduction of inorganic and organic species in aqueous solutions

Brief Summary Text (12):

Also, as used herein, the term "bipolar" refers to an electrolytic cell and process where the DC electrical field can be reversed periodically in such a way that the anode becomes the cathode, and the cathode becomes the anode. This reverse process continues for some period of time, and then the DC electric field is reversed back to its original condition. The reversing then repeats for the prescribed intervals. In contrast, the term "monopolar" refers to a cell and process where the DC electrical field is not reversed so that the anode is always the anode, and the cathode is always the cathode.

Detailed Description Text (16):

In addition to the industrial applications disclosed in Sampson U.S. Pat. No. 5,419,816, it has been discovered that many point-of-use applications exist for the technology disclosed. In the medical, dental and veterinary fields, microbiological contamination is a serious concern for both the patient and the health care provider. Currently, bottled disinfectants are used topically to prevent infection and prevent the spread of infection to others. These bottled solutions, such as bottled iodine, are stabilized to prevent decomposition. This stabilization, however, yields a large percentage of the iodine in solution unavailable for disinfection because it is either bound by the stabilizer, or the equilibrium of solution has been chemically shifted to favor the forms of iodine with no disinfection capabilities. The electrolytic oxidation process described herein yields a solution which is not stabilized, so it yields the highest concentration of disinfectant, such as free iodine, in its most effective form. The solution can be dispensed dropwise, in a spray, in a pulsed stream, in a steady stream, or in any way it is needed to disinfect. The surfaces to be disinfected range from skin to dental water lines, so a variety of disinfectants may be chosen for specific applications. For example, skin has been disinfected with iodine since the 1800s, but bromine would be a better disinfectant for most inanimate surfaces.

Detailed Description Text (22):

Many industries require membrane filtration in their processes. Many of these membranes cannot tolerate halogen-based sanitants such as chlorine, so they are susceptible to bacteria fouling on their surfaces. This bacteria fouling is known as a "biofilm" and can decrease the performance of the membranes. To remove the biofilm, non-halogen-based sanitants, such as peracetic acid and chlorine dioxide, are used. These sanitants, as well as others, can be produced by the electrolytic oxidation process described herein by electrolytically oxidizing acetic acid to peracetic acid or sodium chlorite to chlorine dioxide. Membranes are used in kidney dialysis, water filtration, pharmaceutical processing, desalination, semiconductor processing, and water recycling.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

WEST Search History

DATE: Saturday, March 18, 2006

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DATE: Saturday, March 18, 2006

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L6 ANSWER 1 OF 14 USPATFULL on STN
AN 2005:157920 USPATFULL
TI Dry powders of metal-containing compounds
IN Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Burrell, Robert E., Alberta, CANADA
PA Nucryst Pharmaceuticals Corp. a Canada corporation (U.S. corporation)
PI US 2005136128 A1 20050623
AI US 2004-998499 A1 20041129 (10)
RLI Continuation of Ser. No. US 2002-277298, filed on 22 Oct 2002, PENDING
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2000-628735, filed on 27 Jul 2000, ABANDONED Continuation-in-part of
Ser. No. US 2002-159587, filed on 30 May 2002, PENDING
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2002-131509, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser.
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INCLS: 424/649.000
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NCLS: 424/649.000
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 14 USPATFULL on STN
AN 2005:150713 USPATFULL
TI Methods of treating conditions with a metal-containing material
IN Burrell, Robert E., Sherwood Park, CANADA
Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Naylor, Antony G., Cambridge, CANADA
Moxham, Peter H., Sherwood Park, CANADA
Wright, John B., San Antonio, TX, UNITED STATES
Lam, Kan, San Antonio, TX, UNITED STATES
PA Nucryst Pharmaceuticals Corp., Alberta, CANADA (U.S. corporation)
PI US 2005129624 A1 20050616

AI US 2004-985204 A1 20041110 (10)
RLI Continuation of Ser. No. US 2002-277358, filed on 22 Oct 2002, PENDING
Continuation-in-part of Ser. No. US 2002-159587, filed on 30 May 2002,
PENDING Continuation-in-part of Ser. No. US 2002-128208, filed on 23 Apr
2002, PENDING Continuation-in-part of Ser. No. US 2002-131509, filed on
23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-131511,
filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US
2002-131568, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser.
No. US 2001-916757, filed on 27 Jul 2001, GRANTED, Pat. No. US 6692773
Continuation-in-part of Ser. No. US 2001-840637, filed on 23 Apr 2001,
PENDING Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul
2000, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 3325
INCL INCLM: 424/046.000
INCLS: 424/617.000
NCL NCLM: 424/046.000
NCLS: 424/617.000
IC [7]
ICM A61L009-04
ICS A61K009-14; A61K033-00
IPCI A61L0009-04 [ICM,7]; A61K0009-14 [ICS,7]; A61K0033-00 [ICS,7]
IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 14 USPATFULL on STN
AN 2004:246735 USPATFULL
TI Compositions and methods of metal-containing materials
IN Burrell, Robert E., Alberta, CANADA
Wright, John B., San Antonio, TX, UNITED STATES
Lam, Kan, San Antonio, TX, UNITED STATES
Yin, Hua Qing, Alberta, CANADA
Naylor, Antony G., Ontario, CANADA
Moxham, Peter H., Alberta, CANADA
Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Robert Stiles, James Alexander, Toronto, CANADA

PI US 2004191329 A1 20040930
AI US 2003-690715 A1 20031022 (10)
RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
Jul 2001, GRANTED, Pat. No. US 6692773 Continuation-in-part of Ser. No.
US 2001-840637, filed on 23 Apr 2001, PENDING Continuation-in-part of
Ser. No. US 2002-128208, filed on 23 Apr 2002, PENDING
Continuation-in-part of Ser. No. US 2002-131509, filed on 23 Apr 2002,
PENDING Continuation-in-part of Ser. No. US 2002-131511, filed on 23 Apr
2002, PENDING Continuation-in-part of Ser. No. US 2002-131568, filed on
23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-159587,
filed on 30 May 2002, PENDING Continuation-in-part of Ser. No. US
2002-277673, filed on 22 Oct 2002, PENDING Continuation-in-part of Ser.
No. US 2002-277356, filed on 22 Oct 2002, PENDING Continuation-in-part
of Ser. No. US 2002-277298, filed on 22 Oct 2002, PENDING
Continuation-in-part of Ser. No. US 2002-277362, filed on 22 Oct 2002,
PENDING Continuation-in-part of Ser. No. US 2002-277358, filed on 22 Oct
2002, PENDING Continuation-in-part of Ser. No. US 2002-277320, filed on
22 Oct 2002, PENDING

PRAI US 2001-285884P 20010423 (60)
DT Utility
FS APPLICATION
LN.CNT 3855
INCL INCLM: 424/618.000
NCL NCLM: 424/618.000
IC [7]
ICM A61K033-38
IPCI A61K0033-38 [ICM,7]
IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 14 USPATFULL on STN
AN 2004:227926 USPATFULL
TI Treatment of ungual and subungual diseases
IN Gillis, Scott H., Concord, MA, UNITED STATES
PI US 2004176312 A1 20040909
AI US 2004-770132 A1 20040202 (10)
RLI Continuation-in-part of Ser. No. US 2002-128208, filed on 23 Apr 2002,
PENDING Continuation-in-part of Ser. No. US 2002-131509, filed on 23 Apr
2002, PENDING Continuation-in-part of Ser. No. US 2002-131511, filed on
23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-131568,
filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US
2002-159587, filed on 30 May 2002, PENDING Continuation-in-part of Ser.
No. US 2002-277673, filed on 22 Oct 2002, PENDING Continuation-in-part
of Ser. No. US 2002-277356, filed on 22 Oct 2002, PENDING
Continuation-in-part of Ser. No. US 2002-277298, filed on 22 Oct 2002,
PENDING Continuation-in-part of Ser. No. US 2002-277362, filed on 22 Oct
2002, PENDING Continuation-in-part of Ser. No. US 2002-277358, filed on
22 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-277320,
filed on 22 Oct 2002, PENDING Continuation-in-part of Ser. No. US
2003-690774, filed on 22 Oct 2003, PENDING Continuation-in-part of Ser.
No. US 2003-690724, filed on 22 Oct 2003, PENDING Continuation-in-part
of Ser. No. US 2003-690715, filed on 22 Oct 2003, PENDING

DT Utility
FS APPLICATION
LN.CNT 3771
INCL INCLM: 514/036.000
INCLS: 514/254.070; 604/500.000
NCL NCLM: 514/036.000
NCLS: 514/254.070; 604/500.000
IC [7]
ICM A61K031-704
ICS A61K031-496
IPCI A61K0031-704 [ICM,7]; A61K0031-496 [ICS,7]
IPCR A61K0009-70 [I,A]; A61K0009-70 [I,C]; A61K0031-28 [I,A];
A61K0031-28 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
A61K0047-36 [I,A]; A61K0047-36 [I,C]; A61K0047-38 [I,A];
A61K0047-38 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 14 USPATFULL on STN
AN 2004:196412 USPATFULL
TI Material and method for treating microbial mediated dermatological
conditions
IN Hamer, Richard A., Belleville, MI, UNITED STATES
Burkhart, Craig G., Toledo, OH, UNITED STATES

Burkhart, Craig N., Providence, RI, UNITED STATES

PI US 2004151716 A1 20040805

AI US 2004-770091 A1 20040202 (10)

PRAI US 2003-444458P 20030203 (60)

DT Utility

FS APPLICATION

LN.CNT 305

INCL INCLM: 424/094.630

INCLS: 424/094.600; 424/094.610; 514/012.000; 607/001.000

NCL NCLM: 424/094.630

NCLS: 424/094.600; 424/094.610; 514/012.000; 607/001.000

IC [7]

ICM A61K038-46

ICS A61K038-47; A61K038-48; A61N001-00

IPCI A61K0038-46 [ICM,7]; A61K0038-47 [ICS,7]; A61K0038-48 [ICS,7]; A61N0001-00 [ICS,7]

IPCR A61K0031-075 [I,C]; A61K0031-09 [I,A]; A61K0031-137 [I,A]; A61K0031-137 [I,C]; A61K0031-327 [I,A]; A61K0031-327 [I,C]; A61K0038-43 [I,C]; A61K0038-46 [I,A]; A61K0038-53 [I,A]; A61N0001-18 [I,A]; A61N0001-18 [I,C]; A61N0007-00 [N,A]; A61N0007-00 [N,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 14 USPATFULL on STN

AN 2004:171537 USPATFULL

TI Methods of treating conditions using metal-containing materials

IN Gillis, Scott H., Concord, MA, UNITED STATES

Schechter, Paul, Dover, MA, UNITED STATES

Stiles, James Alexander Robert, Toronto, CANADA

PI US 2004131698 A1 20040708

AI US 2003-690724 A1 20031022 (10)

RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000, ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27 Jul 2001, GRANTED, Pat. No. US 6692773 Continuation-in-part of Ser. No. US 2001-840637, filed on 23 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2002-128208, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-131509, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-131511, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-131568, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-159587, filed on 30 May 2002, PENDING Continuation-in-part of Ser. No. US 2002-277673, filed on 22 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-277356, filed on 22 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-277298, filed on 22 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-277362, filed on 22 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-277358, filed on 22 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-277320, filed on 22 Oct 2002, PENDING

DT Utility

FS APPLICATION

LN.CNT 3866

INCL INCLM: 424/617.000

NCL NCLM: 424/617.000

IC [7]

ICM A61K033-24

IPCI A61K0033-24 [ICM,7]

IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A]; A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C]; A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A]; A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C]; A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A]; A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C]; A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A]; A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C]; A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C]; A61L0015-16 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A]; A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C]; A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C]; A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 14 USPATFULL on STN
AN 2004:168962 USPATFULL
TI Metal-containing materials
IN Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Robert Stiles, James Alexander, Toronto, CANADA
PI US 2004129112 A1 20040708
AI US 2003-690774 A1 20031022 (10)
RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
Jul 2001, GRANTED, Pat. No. US 6692773 Continuation-in-part of Ser. No.
US 2001-840637, filed on 23 Apr 2001, PENDING Continuation-in-part of
Ser. No. US 2002-128208, filed on 23 Apr 2002, PENDING
Continuation-in-part of Ser. No. US 2002-131509, filed on 23 Apr 2002,
PENDING Continuation-in-part of Ser. No. US 2002-131511, filed on 23 Apr
2002, PENDING Continuation-in-part of Ser. No. US 2002-131568, filed on
23 Apr 2002, PENDING Continuation-in-part of Ser. No. US 2002-159587,
filed on 30 May 2002, PENDING Continuation-in-part of Ser. No. US
2002-277673, filed on 22 Oct 2002, PENDING Continuation-in-part of Ser.
No. US 2002-277356, filed on 22 Oct 2002, PENDING Continuation-in-part
of Ser. No. US 2002-277298, filed on 22 Oct 2002, PENDING
Continuation-in-part of Ser. No. US 2002-277362, filed on 22 Oct 2002,
PENDING Continuation-in-part of Ser. No. US 2002-277358, filed on 22 Oct
2002, PENDING Continuation-in-part of Ser. No. US 2002-277320, filed on
22 Oct 2002, PENDING
DT Utility
FS APPLICATION
LN.CNT 3727
INCL INCLM: 075/252.000
NCL NCLM: 075/252.000
IC [7]
ICM C22C001-05
IPCI C22C0001-05 [ICM, 7]
IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 14 USPATFULL on STN
AN 2003:293953 USPATFULL
TI Methods of inducing apoptosis and modulating metalloproteinases
IN Burrell, Robert E., Alberta, CANADA
Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Wright, John B., San Antonio, TX, UNITED STATES
Lam, Kan, San Antonio, TX, UNITED STATES
PI US 2003206966 A1 20031106
AI US 2002-277320 A1 20021022 (10)
RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
Jul 2001, PENDING Continuation-in-part of Ser. No. US 2001-840637, filed
on 23 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2002-128208,
filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US
2002-131509, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser.
No. US 2002-131511, filed on 23 Apr 2002, PENDING Continuation-in-part
of Ser. No. US 2002-131568, filed on 23 Apr 2002, PENDING
Continuation-in-part of Ser. No. US 2002-159587, filed on 30 May 2002,

PENDING
PRAI US 2001-285884P 20010423 (60)
DT Utility
FS APPLICATION
LN.CNT 3281
INCL INCLM: 424/618.000
INCLS: 424/649.000; 424/647.000
NCL NCLM: 424/618.000
NCLS: 424/647.000; 424/649.000
IC [7]
ICM A61K033-38
ICS A61K033-26; A61K033-24
IPCI A61K0033-38 [ICM,7]; A61K0033-26 [ICS,7]; A61K0033-24 [ICS,7]
IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 14 USPATFULL on STN
AN 2003:288288 USPATFULL
TI Solutions and aerosols of metal-containing compounds
IN Burrell, Robert E., Alberta, CANADA
Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Wright, John B., San Antonio, TX, UNITED STATES
Lam, Kan, San Antonio, TX, UNITED STATES
Yin, Hua Qing, Alberta, CANADA
Naylor, Antony G., Alberta, CANADA
Moxham, Peter H., Alberta, CANADA
PI US 2003203046 A1 20031030
AI US 2003-364983 A1 20030212 (10)
RLI Continuation of Ser. No. US 2002-277673, filed on 22 Oct 2002, PENDING
Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED
DT Utility
FS APPLICATION
LN.CNT 3395
INCL INCLM: 424/618.000
INCLS: 424/649.000; 424/646.000; 424/702.000
NCL NCLM: 424/618.000
NCLS: 424/646.000; 424/649.000; 424/702.000
IC [7]
ICM A61K033-38
ICS A61K033-26; A61K033-24; A61K033-04
IPCI A61K0033-38 [ICM,7]; A61K0033-26 [ICS,7]; A61K0033-24 [ICS,7];
A61K0033-04 [ICS,7]
IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-70 [I,A];
A61K0009-70 [I,C]; A61K0031-28 [I,A]; A61K0031-28 [I,C];
A61K0033-38 [I,A]; A61K0033-38 [I,C]; A61K0047-32 [I,A];
A61K0047-32 [I,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61Q0019-00 [I,A];
A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 14 USPATFULL on STN
AN 2003:276419 USPATFULL
TI Methods of treating skin and integument conditions
IN Burrell, Robert E., Alberta, CANADA
Gillis, Scott H., Concord, MA, UNITED STATES

Schechter, Paul, Dover, MA, UNITED STATES
Wright, John B., San Antonio, TX, UNITED STATES
Lam, Kan, San Antonio, TX, UNITED STATES
Yin, Hua Qing, Alberta, CANADA

PI US 2003194444 A1 20031016

AI US 2002-277362 A1 20021022 (10)

RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
Jul 2001, PENDING Continuation-in-part of Ser. No. US 2001-840637, filed
on 23 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2002-128208,
filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US
2002-131511, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser.
No. US 2002-131568, filed on 23 Apr 2002, PENDING Continuation-in-part
of Ser. No. US 2002-159587, filed on 30 May 2002, PENDING
Continuation-in-part of Ser. No. US 2002-131509, filed on 23 Apr 2002,
PENDING

PRAI US 2001-285884P 20010423 (60)

DT Utility

FS APPLICATION

LN.CNT 3178

INCL INCLM: 424/618.000

INCLS: 424/647.000; 424/649.000

NCL NCLM: 424/618.000

NCLS: 424/647.000; 424/649.000

IC [7]

ICM A61K033-38

ICS A61K033-26; A61K033-24

IPCI A61K0033-38 [ICM,7]; A61K0033-26 [ICS,7]; A61K0033-24 [ICS,7]

IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];

A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];

A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];

A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];

A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];

A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];

A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];

A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];

A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];

A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];

A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];

A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];

A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 14 USPATFULL on STN

AN 2003:264887 USPATFULL

TI Methods of treating conditions with a metal-containing material

IN Burrell, Robert E., Alberta, CANADA

Gillis, Scott H., Concord, MA, UNITED STATES

Schechter, Paul, Dover, MA, UNITED STATES

Naylor, Antony G., Alberta, CANADA

Moxham, Peter H., Alberta, CANADA

Wright, John B., San Antonio, TX, UNITED STATES

Lam, Kan, San Antonio, TX, UNITED STATES

PI US 2003185901 A1 20031002

AI US 2002-277358 A1 20021022 (10)

RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
Jul 2001, PENDING Continuation-in-part of Ser. No. US 2001-840637, filed
on 23 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2002-131509,
filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US
2002-131511, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser.
No. US 2002-131568, filed on 23 Apr 2002, PENDING Continuation-in-part
of Ser. No. US 2002-159587, filed on 30 May 2002, PENDING
Continuation-in-part of Ser. No. US 2002-128208, filed on 23 Apr 2002,
PENDING

PRAI US 2001-285884P 20010423 (60)

DT Utility

FS APPLICATION

LN.CNT 3356

INCL INCLM: 424/618.000
 INCLS: 424/647.000; 424/649.000
 NCL NCLM: 424/618.000
 NCLS: 424/647.000; 424/649.000
 IC [7]
 ICM A61K033-38
 ICS A61K033-26; A61K033-24
 IPCI A61K0033-38 [ICM,7]; A61K0033-26 [ICS,7]; A61K0033-24 [ICS,7]
 IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
 A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
 A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
 A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
 A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
 A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
 A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
 A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
 A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
 A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
 A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
 A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
 A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 14 USPATFULL on STN
 AN 2003:257329 USPATFULL
 TI Solutions and aerosols of metal-containing compounds
 IN Burrell, Robert E., Alberta, CANADA
 Gillis, Scott H., Concord, MA, UNITED STATES
 Schechter, Paul, Dover, MA, UNITED STATES
 Wright, John B., San Antonio, TX, UNITED STATES
 Lam, Kan, San Antonio, TX, UNITED STATES
 Yin, Hua Qing, Alberta, CANADA
 Naylor, Antony G., Alberta, CANADA
 Moxham, Peter H., Alberta, CANADA
 PI US 2003180379 A1 20030925
 AI US 2002-277673 A1 20021022 (10)
 RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
 ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
 Jul 2001, PENDING Continuation-in-part of Ser. No. US 2001-840637, filed
 on 23 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2002-128208,
 filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US
 2002-131509, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser.
 No. US 2002-131511, filed on 23 Apr 2002, PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 3353
 INCL INCLM: 424/618.000
 INCLS: 424/646.000; 424/649.000
 NCL NCLM: 424/618.000
 NCLS: 424/646.000; 424/649.000
 IC [7]
 ICM A61K033-38
 ICS A61K033-26; A61K033-24
 IPCI A61K0033-38 [ICM,7]; A61K0033-26 [ICS,7]; A61K0033-24 [ICS,7]
 IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
 A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
 A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
 A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
 A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
 A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
 A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
 A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
 A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
 A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
 A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
 A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
 A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 14 USPATFULL on STN
AN 2003:257328 USPATFULL
TI Dry powders of metal-containing compounds
IN Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Burrell, Robert E., Alberta, CANADA
PI US 2003180378 A1 20030925
US 6866871 B2 20050315
US 6989157 B2 20060124
AI US 2002-277298 A1 20021022 (10)
RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
Jul 2001, PENDING Continuation-in-part of Ser. No. US 2001-840637, filed
on 23 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2002-128208,
filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US
2002-131509, filed on 23 Apr 2002, PENDING Continuation-in-part of Ser.
No. US 2002-131511, filed on 23 Apr 2002, PENDING Continuation-in-part
of Ser. No. US 2002-131568, filed on 23 Apr 2002, PENDING
Continuation-in-part of Ser. No. US 2002-159587, filed on 30 May 2002,
PENDING
DT Utility
FS APPLICATION
LN.CNT 3343
INCL INCLM: 424/618.000
INCLS: 424/649.000
NCL NCLM: 424/618.000
NCLS: 424/400.000; 424/489.000; 424/490.000; 424/617.000; 424/619.000;
424/646.000; 424/649.000; 514/492.000; 514/495.000; 514/849.000;
514/853.000; 514/888.000; 514/924.000; 514/951.000; 514/952.000;
514/958.000
IC [7]
ICM A61K033-38
ICS A61K033-24
IPCI A61K0033-38 [ICM,7]; A61K0033-24 [ICS,7]
IPCI-2 A61K0009-14 [I,A]; A61K0031-28 [I,A]; A61K0031-282 [I,A];
A61K0033-24 [I,A]; A61K0033-38 [I,A]
IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
A61Q0019-00 [I,A]; A61Q0019-00 [I,C]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 14 USPATFULL on STN
AN 2003:243905 USPATFULL
TI Compositions of metal-containing compounds
IN Burrell, Robert E., Alberta, CANADA
Gillis, Scott H., Concord, MA, UNITED STATES
Schechter, Paul, Dover, MA, UNITED STATES
Wright, John B., San Antonio, TX, UNITED STATES
Lam, Kan, San Antonio, TX, UNITED STATES
Yin, Hua Qing, Alberta, CANADA
Naylor, Antony G., Alberta, CANADA
Moxham, Peter H., Alberta, CANADA
PI US 2003170314 A1 20030911
AI US 2002-277356 A1 20021022 (10)
RLI Continuation-in-part of Ser. No. US 2000-628735, filed on 27 Jul 2000,
ABANDONED Continuation-in-part of Ser. No. US 2001-916757, filed on 27
Jul 2001, PENDING Continuation-in-part of Ser. No. US 2001-840637, filed
on 23 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2002-131509,
filed on 23 Apr 2002, PENDING Continuation-in-part of Ser. No. US

2002-131511, filed on 23 Apr 2002, PENDING

DT Utility
FS APPLICATION
LN.CNT 3249
INCL INCLM: 424/618.000
INCLS: 424/646.000; 424/649.000
NCL NCLM: 424/618.000
NCLS: 424/646.000; 424/649.000
IC [7]
ICM A61K033-38
ICS A61K033-26; A61K033-24
IPCI A61K0033-38 [ICM,7]; A61K0033-26 [ICS,7]; A61K0033-24 [ICS,7]
IPCR A61K0008-19 [I,A]; A61K0008-19 [I,C]; A61K0009-00 [I,A];
A61K0009-00 [I,C]; A61K0009-14 [I,A]; A61K0009-14 [I,C];
A61K0009-16 [I,A]; A61K0009-16 [I,C]; A61K0009-51 [I,A];
A61K0009-51 [I,C]; A61K0009-70 [I,A]; A61K0009-70 [I,C];
A61K0031-28 [I,A]; A61K0031-28 [I,C]; A61K0033-24 [I,A];
A61K0033-24 [I,C]; A61K0033-38 [I,A]; A61K0033-38 [I,C];
A61K0047-32 [I,A]; A61K0047-32 [I,C]; A61K0047-34 [N,A];
A61K0047-34 [N,C]; A61K0047-36 [I,A]; A61K0047-36 [I,C];
A61K0047-38 [I,A]; A61K0047-38 [I,C]; A61L0015-16 [I,C];
A61L0015-46 [I,A]; A61L0017-00 [I,C]; A61L0017-14 [I,A];
A61L0027-00 [I,C]; A61L0027-30 [I,A]; A61L0029-00 [I,C];
A61L0029-10 [I,A]; A61L0031-08 [I,A]; A61L0031-08 [I,C];
A61Q0019-00 [I,A]; A61Q0019-00 [I,C]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 20:02:47 ON 18 MAR 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 20:03:06 ON 18 MAR 2006
SEA BIOFILM AND DISRUPT? AND ENZYME? AND SKIN? AND ACNE?

0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
1 FILE IFIPAT
46 FILE USPATFULL
8 FILE USPAT2
0* FILE WATER

L1 QUE BIOFILM AND DISRUPT? AND ENZYME? AND SKIN? AND ACNE?

FILE 'IFIPAT, USPATFULL, USPAT2' ENTERED AT 21:03:12 ON 18 MAR 2006

L2 55 S L1
L3 46 DUP REM L2 (9 DUPLICATES REMOVED)
L4 42 S L3 AND ANTIMICROBIAL?
L5 32 S L4 AND PEROXIDE
L6 14 S L5 AND NAIL(P) TISSUE?

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